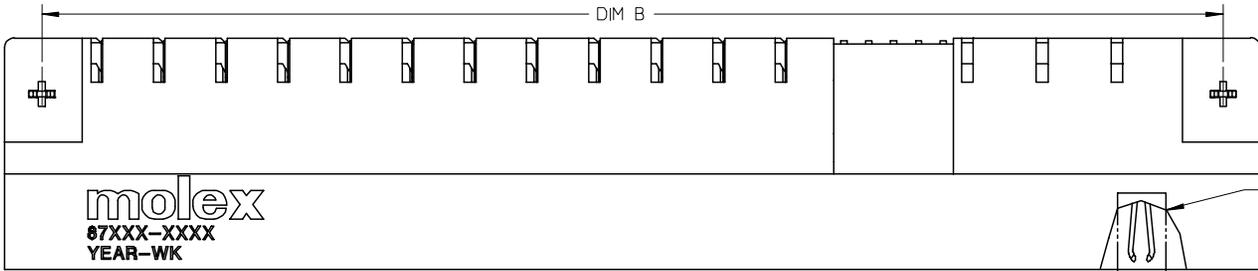
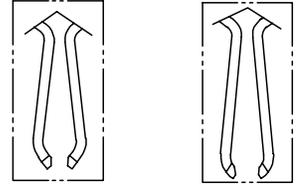


10 9 8 7 6 5 4 3 2 1



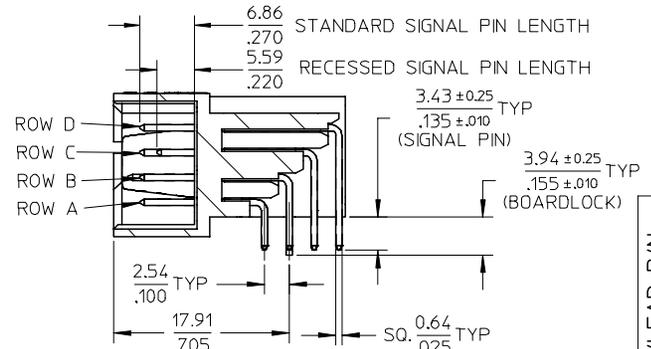
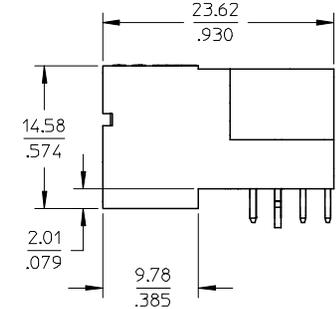
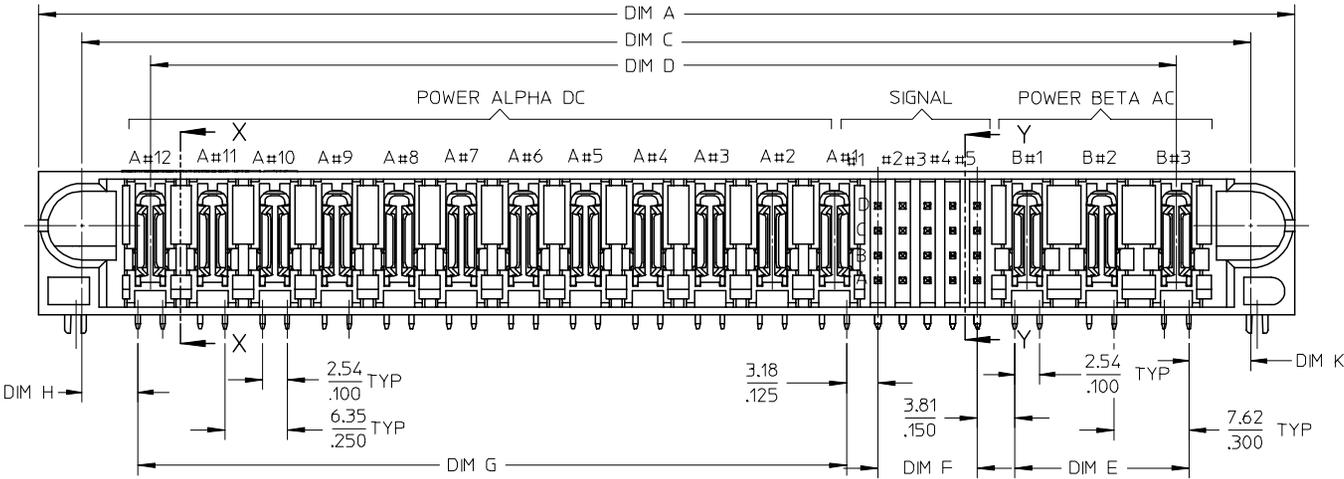
SEE DETAIL R



SHORT BLADE OPTION LONG BLADE OPTION

DETAIL R

(SEE TABLE FOR BLADE OPTION)



SECTION Y-Y  
(TERMINAL LOCKING DETAIL NOT SHOWN)

OBS TIN/LEAD P/N EC NO: S2006-0767 DRWN:MLG 2006/04/03 CHKD:NAGESHK 2006/04/03 APPR:PTL IM 2006/04/06	REV	DESCRIPTION
	D	

QUALITY SYMBOLS	▽=0
	▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM/IN	
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DRAWN BY	DATE
BHLOW	2003/10/02
CHECKED BY	DATE
PTL IM	2003/10/21
APPROVED BY	DATE
SKTOH	2003/10/21
MATERIAL NO.	SEE TABLE
SIZE	A3

SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE DC/AC POWER CONN. HEADER P(DC)-S-P(AC) CONFIG. R/A, T/H, BOARD-LOCK		
MOLEX INCORPORATED		
DOCUMENT NO. SD-87663-020	SHEET NO. 1 OF 3	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

F

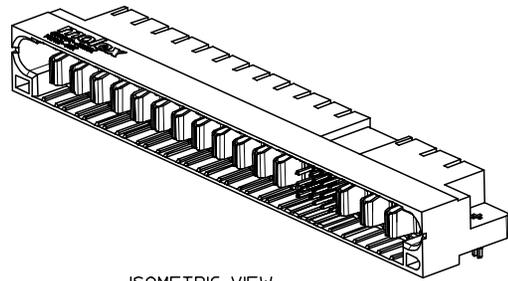
E

D

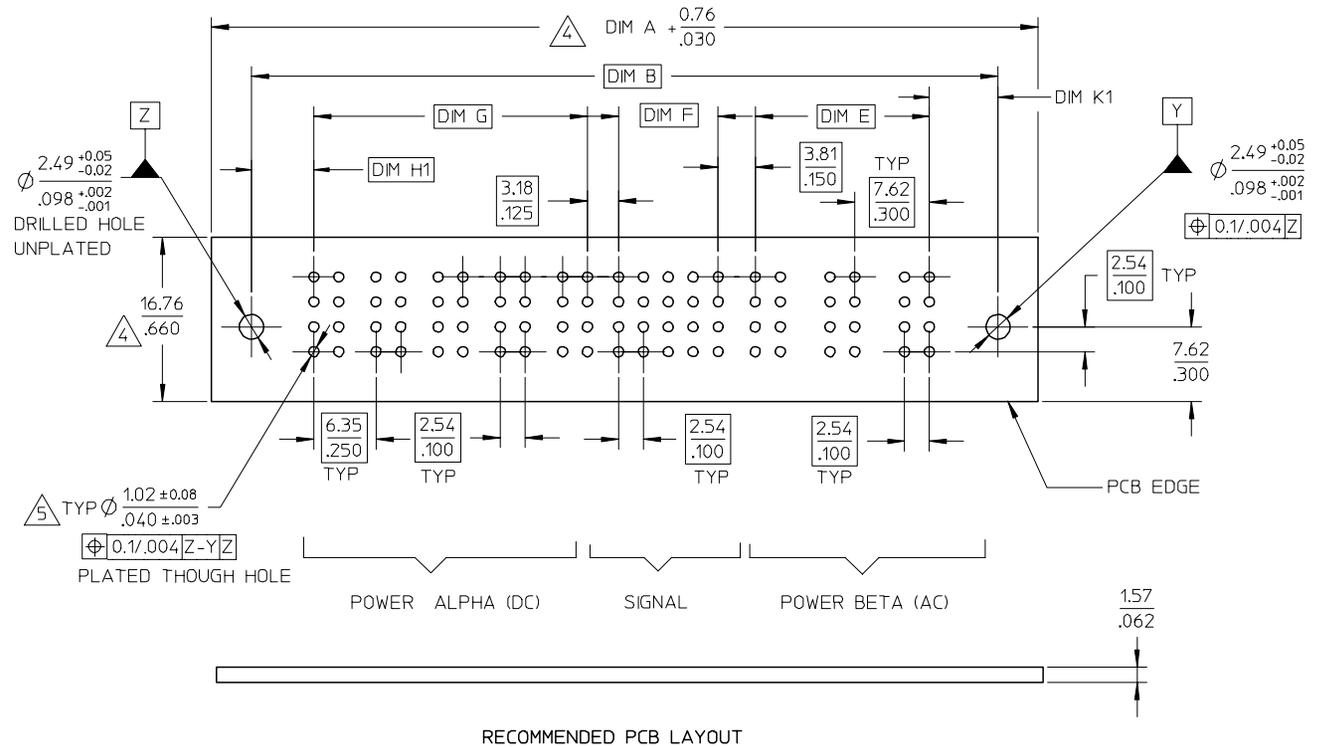
C

B

A



ISOMETRIC VIEW  
3P(AC)-24S-12P(DC) FOR ILLUSTRATION



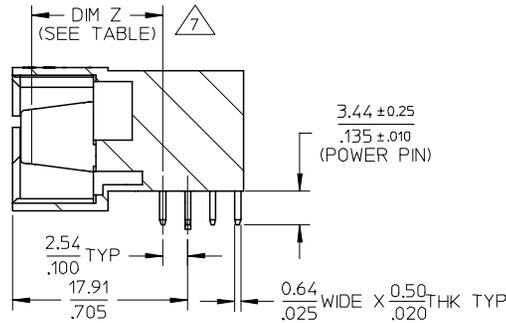
NOTES:

1. MATERIALS:-  
HOUSING - LCP, GLASS FILLED, UL94V-0. COLOUR: BLACK  
SIGNAL TERMINAL - COPPER ALLOY  
POWER TERMINAL - COPPER ALLOY
2. FINISH :-  
SIGNAL & POWER CONTACTS  
0.76 MICROMETER MINIMUM GOLD (Au) AT CONTACT AREA AND  
2.54 MICROMETER MINIMUM TIN AT SOLDERTAIL AREA  
OVER 1.27 MICROMETER MINIMUM NICKEL (Ni) UNDERPLATE.
3. PRODUCT SPECIFICATION : PS-87663-006.
4. COMPONENT STAY AWAY FROM CONNECTOR.
5. PCB NOTE FOR DIAMETER 1.02/.040 PLATED HOLE.  
- DRILLED HOLE SIZE IS 1.15/ .0453.  
- PLATE WITH 0.007 / .0003 MINIMUM TIN OVER 0.03/.001  
TO 0.08/.003 COPPER PLATING TO ACHIEVE 1.02±0.08/.040±.003 HOLE.
6. MANUFACTURER LOGO, PART NUMBER AND YEAR-WEEK CODE.
7. LONG AND SHORT CONTACT POWER BLADE OPTIONS ARE AVAILABLE  
FOR DIFFERENT CUSTOMERS REQUIREMENT.

OBS TIN/LEAD P/N EC NO: S2006-0767 DRWN:MLONG CHKD:NGESHKN APPR:PTLIM	REV D	DESCRIPTION QUALITY SYMBOLS ▽=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY BHLOW	DATE 2003/10/02	TITLE DC/AC POWER CONN. HEADER P(DC)-S-P(AC) CONFIG. R/A, T/H, BOARD-LOCK			
			4 PLACES ± ---	± ---	CHECKED BY PTL IM	DATE 2003/10/21				
			3 PLACES ± ---	± .010	APPROVED BY SKTOH	DATE 2003/10/21	MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	SEE TABLE	MATERIAL NO.	DOCUMENT NO. SD-87663-020	SHEET NO. 2 OF 3		

9 8 7 6 5 4 3 2 1

PART NUMBER	P-S-P CONFIGURATION			DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM H1	DIM K	DIM K1	POWER BLADE OPTIONS		RECESSED SIGNAL PIN		VOID PIN LOCATION
	POWER ALPHA	DC SIGNAL	POWER BETA AC												DIM Z ±0.13/.005	LOCATION	LENGTH	LOCATION	
87663-2000	12	20	3	128.27 5.050	120.65 4.750	119.38 4.700	104.78 4.125	17.78 .700	10.16 .400	72.39 2.850	5.72 .225	6.35 .250	6.35 .250	6.99 .275	14.12 / .556	ALL	5.59/.220	A1,A3,C3 .D1,D2	NIL
87663-2001	8	12	3	97.79 3.850	90.17 3.550	88.90 3.500	74.30 2.925	17.78 .700	5.08 .200	46.99 1.850	5.72 .225	6.35 .250	6.35 .250	6.99 .275	14.12 / .556	ALL	NIL	NIL	NIL
87663-2002	1	32	3	64.14 2.525	56.52 2.225	55.25 2.175	42.55 1.675	17.78 .700	17.78 .700	2.54 .100	5.08 .200	5.72 .225	5.08 .200	5.72 .225	14.12 / .556	ALL	NIL	NIL	A5,B5,C5,D5 A6,B6,C6,D6 B7,C7 A8,B8,C8,D8



OBS TIN/LEAD P/N EC NO: S2006-0767 DRWN:MLONG 2006/04/03 CHKD:NAGESHKN 2006/04/03 APPR:PTLIM 2006/04/06	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± ---	3 PLACES ± --- ± .010	2 PLACES ± 0.25 ± ---	1 PLACE ± --- ± ---	DRAWN BY BHLOW		DATE 2003/10/02		TITLE DC/AC POWER CONN. HEADER P(DC)-S-P(AC) CONFIG. R/A, T/H, BOARD-LOCK
		ANGULAR ± 3 °				CHECKED BY PTLIM		DATE 2003/10/21		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPROVED BY SKTOH		DATE 2003/10/21		MATERIAL NO. SD-87663-020
D	REV	SIZE A3				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				